



Business Partner Training

Kursus
5 dage
Nr. 89024 P

DKK 24.799
ekskl. moms

Dato

Sted

Red Hat OpenStack Administration II: Infrastructure Configuration for Cloud Adm. with Exam (CL211)

Introduktion til Red Hat OpenStack Platform, konfiguration og administration af private cloud infrastruktur ved hjælp af OpenStack services. Kurset er forberedende til Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210), som er inkluderet i kurset. Kurset er baseret på Red Hat Enterprise Linux 7.5 og Red Hat OpenStack Platform 13.0.

Bemærk grundet COVID-19 afholdes dette kursus pt. kun virtuelt. Eksamen tages online efter kurset.

Course overview

The focus of this course is on managing and using the OpenStack client command-line interface and the director and dashboard graphical web user interfaces to securely manage server instances, compute and storage resources, and user identities.

Course content summary:

- Gain familiarity with overcloud service containerization technology.
- Learn about Open Virtual Networking (OVN) enhancement to OVS.
- Use identity service v3 (keystone) with external Red Hat IdM store.
- Manage the core control plane, including Pacemaker.
- Customize images, with techniques for multiple use cases.



- Manage block and object storage.
- Manage compute nodes, including tuning and hyperconvergence.
- Deploy multi-container stacks.
- Troubleshoot OpenStack.

Forudsætninger

- [Red Hat OpenStack Administration I \(CL110\)](#) course or equivalent
- Red Hat Certified System Administrator (RHCSA) certification or equivalent knowledge and experience

Deltagerprofil

This course is designed for Linux system administrators, cloud administrators, cloud operators and infrastructure architects interested in, or responsible for, maintaining a private or hybrid cloud.

Indhold

Navigate the Red Hat OpenStack Platform architecture

- Describe the classroom environment, support systems, functions of the undercloud components, and more.

Describe the OpenStack control plane

- Identify the shared services running on a controller node and describe service endpoint configuration and security.

Integrate identity management

- Describe the installation and architecture of a Red Hat Identity Management back end for the OpenStack identity service.

Perform image operations

- Build an image using diskimage-builder and customize launched instances during deployment using cloud-init.

Manage storage

- Explain persistent storage options for use in OpenStack, focusing on the expanding capabilities of the default Red Hat® Ceph Storage.

Manage OpenStack networking

- Explain the different network types available to the OpenStack networking service and improve network performance with Open Virtual Network.

Manage compute resources

- Perform common compute node administration tasks, including live migration, evacuation, and enabling and disabling compute nodes.

Automate cloud applications

- Explain the orchestration architecture required to deploy application stacks and write templates using the Heat Orchestration Template (HOT) language.

Troubleshoot OpenStack operations

- Discuss recommended diagnostic and troubleshooting tools and techniques.

Comprehensive review

- Build a custom image and launch an instance using the custom image.

Certificering

Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210) is a 4 hour exam, and it is included with this course. The Exam is taking place on the last day of the course. If you want the course without the exam, please contact us for reduction in the price.

Underviser

Undervisningen varetages af en autoriseret Red Hat instruktør og foregår på engelsk.

Bemærkning

Kurset afholdes i samarbejde med Red Hat, som udvælger lokationen kurset holdes på.

Har du faglige spørgsmål så kontakt



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